

Soleron Building Material(Hebei) Co., Ltd



About Our Company

Soloron Building Material(Hebei) Co., Ltd :A Reliable Partner for Insulating Glass Solutions, was established in 2016 and is located in Chengde City,Hebei Province, enjoying convenient transportation and beautiful environment. Soloron Building Material(Hebei) Co., Ltd is a leading provider of comprehensive insulating glass products and solutions. Our company covers an area of 21000 square meters and has about 50 employees, housing a dedicated team of industry experts.



As an integrated manufacturer and trader, we offer a diverse range of high-quality insulating glass materials, including aluminum spacer bars, warm edge spacer bars,georgian bar, georgian flowers,butyl tape,butyl sealing spacer, sealants, and complementary accessories and machinery.

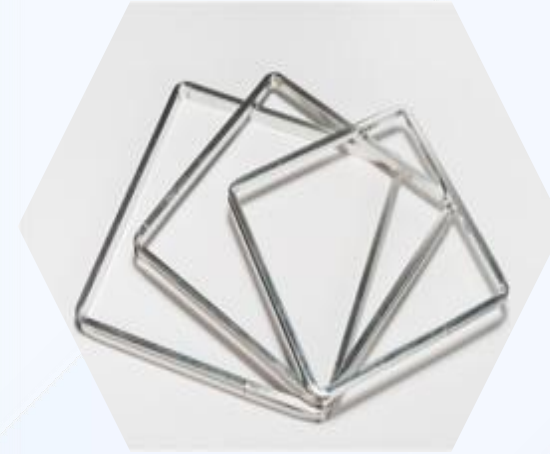
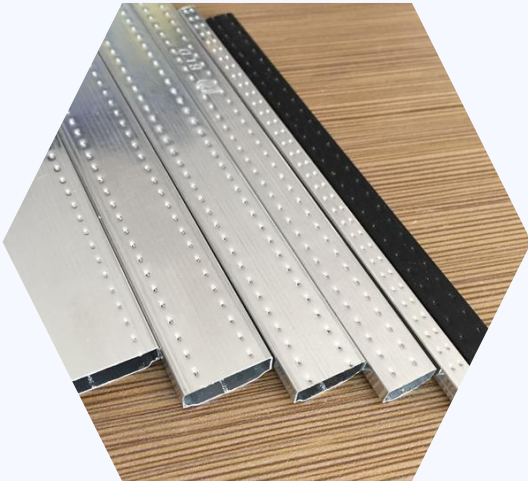


Aluminium Spacer Bar

Bendable spacer bar

High frequency welding bendable aluminum spacers are used 3003 series magnesium alloy aluminum strips.

Thickenss: 0.3-0.35mm



Standard spacer bar

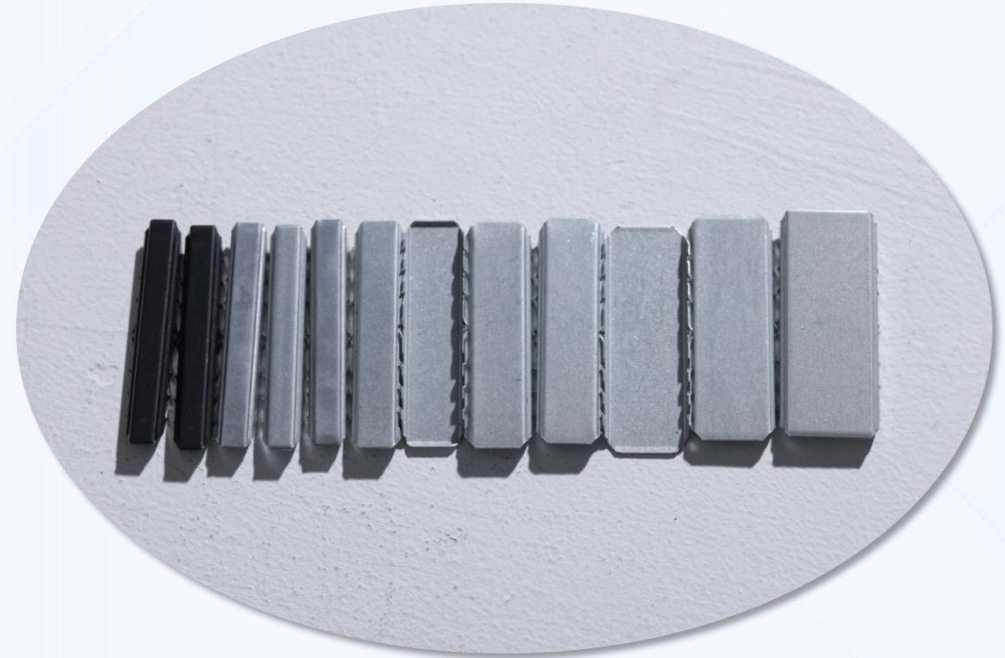
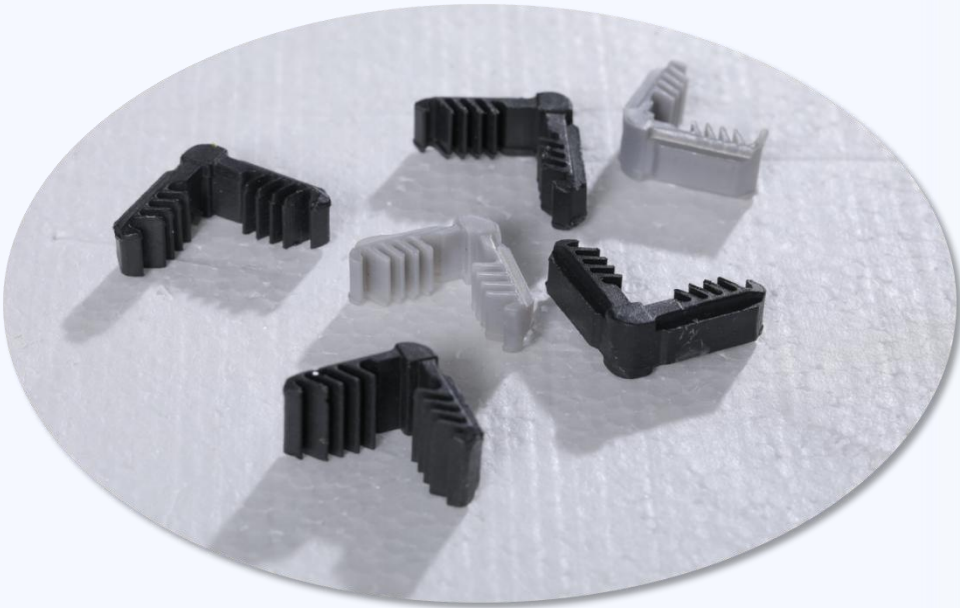
High-frequency welding non-bendable aluminum spacers are made of 1100 series high manganese alloy aluminum strips.

Thickness: 0.16-0.25mm

Plastic Conner connector and Steel Joint

The Corner Connector and Steel Joint

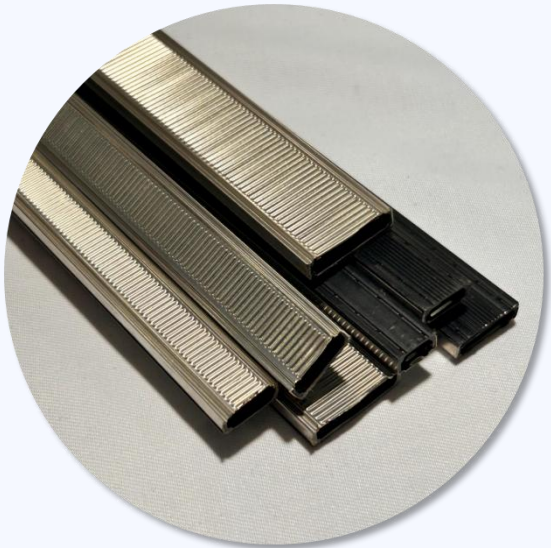
Used in Aluminium spacer or Warm edge spacer. According to its function, it can be divided into plastic corner key connectors and steel straight connectors. Plastic corner key connector is used for standard AL/warm edge spacer, and steel joint is used for bendable AL/warm edge spacer.



Warm Edge Spacer Bar

Fiberglass Warm Edge Spacer (6-27A)

1. Rustless, corrosion, high brightness.
2. Surface evenly, straightness, and no deformation and dimensional stability.
3. Connected by only one straighter, good sealing with long lifetime.
4. Limit deviation of peripheral wall thickness is $\pm 0.025\text{mm}$.



Steel Warm Edge Spacer

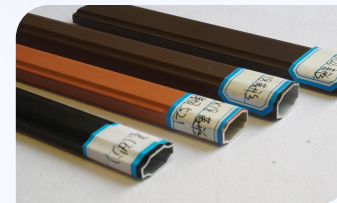
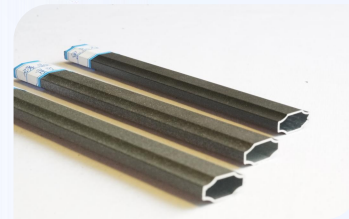
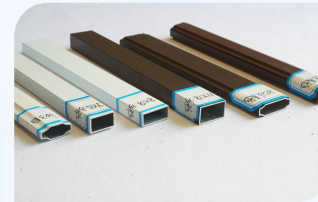
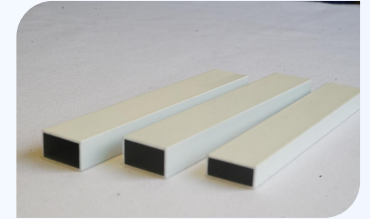
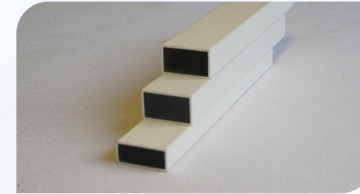
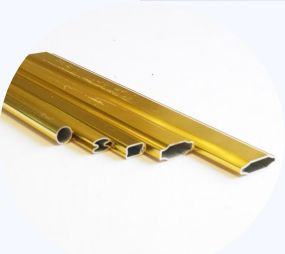
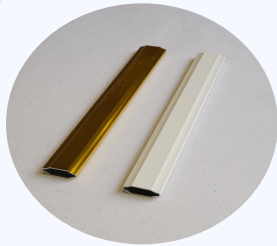
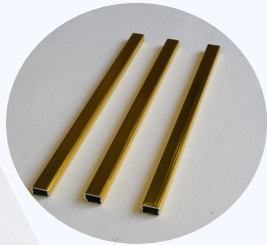
Made of AGR material and 304 stainless steel. Which could strongly improve the ability of the spacer.

- Rustless, corrosion, high brightness
- Surface evenly, straightness, and no deformation and dimensional stability
- Connected by only one straighter, good sealing with long lifetime

Georgian Bar

Georgian Bar

Also called Decorative Bar, is used inside insulating glass to increase its beauty. Colors would be chosen by reference to the RAL code.

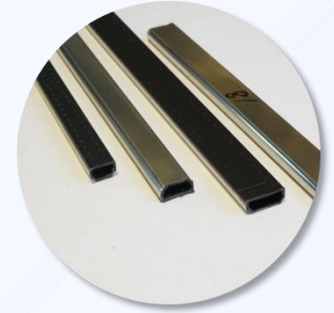


Warm Edge Spacer Bar

PP Warm Edge Spacer

PP Plastic Warm Edge Spacer Door Window is made from a combination of polypropylene (PP) and high-quality stainless steel. PP is a widely used plastic material known for its excellent chemical, heat, and fatigue resistance.

- High strength and corrosion resistance
- Excellent thermal insulation
- High performance sound insulation and noise reduction



Butyl Sealing Spacer

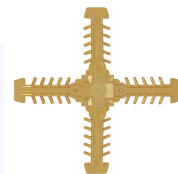
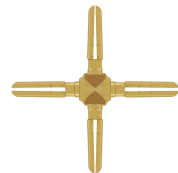
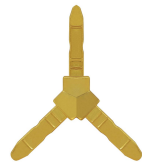
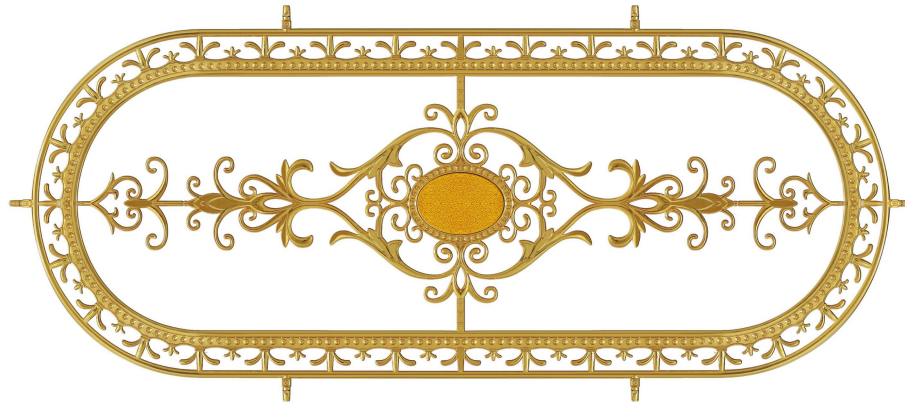
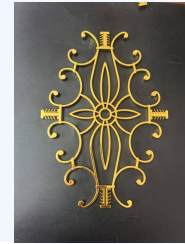
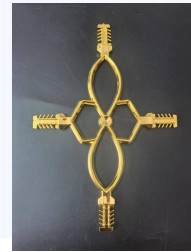
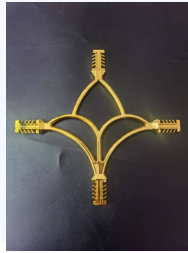
Butyl sealing spacer is one of the best choice for making insulated glass. It can reduce heat loss. And there' s no need to do the secondary sealing ,which would simplify the production process.

- Excellent anti-wind pressure and anti-aging performance, longer service life
- Can be arbitrary bending

Georgian Bar Flowers

Georgian Bar Flowers

Georgian bar flower is used in double-glazed glass(DGU), which is a saving and popular choice for people. It is made from recyclable plastics. The most popular color is Golden, but other colors would be customized according to different requirements.



Butyl Sealant

Hot Melt Butyl Sealant

Butyl sealant serves as the first sealing for IGU, with polyisobutylene as a basic material. It is a single component, using no other solvent, but with permanent plasticity.

- Good adhesions properties to glass
- Easy to process
- Optimal resistance to low and high temperatures

Packaging: 7kg/drum , 4drums / Carton



Hotmelt Butyl Sealant



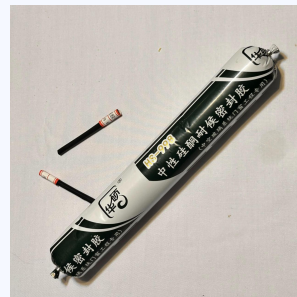
Hotmelt Butyl Sealant

1. The hot melt butyl sealant as secondary insulating Glass Sealant based on Butyl Rubber blender.
2. It has high adhesion to glass, aluminium and stainless steel.
3. It's smell free and solvents free, there are also no sticky to hand after cured.
4. Packing: 4kg/pc , 32kg/ctn or as your requirement.

Silicone Sealant

Two Components Silicone Sealant

Two-component silicone Sealant is used as the second seal processing of insulating glass, made up of A and B two components. A and B cannot work separately, they should be mixed in a certain ratio so it can become solid.



Insulating glass silicone structural sealant

Use: Hollow glass two channel bonding seal.

-- Glass curtain wall, stone (marble, granite) curtain wall, aluminum curtain wall and metal

structural engineering structural bond assembly seal

Structural bonding between glass and metal components in the workshop assembly wall .

Cork Pad and Mat & Trimming cotton

Cork Pad and Mat

Cork Pad is made from a very exciting and very natural material-cork oak trees. It is very small and can be used to adhere to glass, and aluminum window frames to protect glass and windows from breakage and damage.



Trimming Cotton

Also called Corner Cleaning Sponge, Used for cleaning and trimming corners after silicone glue is applied. Used together with a roller brush. The common specification is 65*30mm.

Georgian Bar Producing Machine

**Aluminium
Milling
Machine**



**45 degree Angle
Cutting Machine**



**Georgian Bar
Drilling Machine**



Arc machine



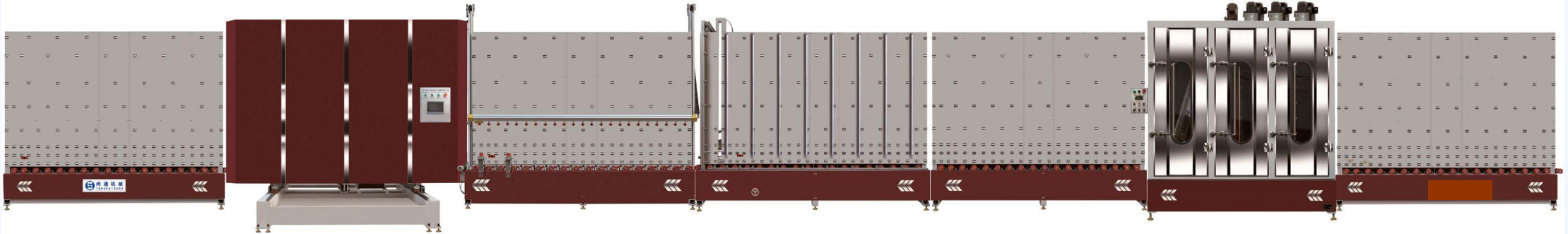
**Drilling
machine**





soleron
索朗建材(河北)有限公司
Building Material (Hebei) Co., Ltd.

Automatic Insulating Glass Production Line



Functions and Features:

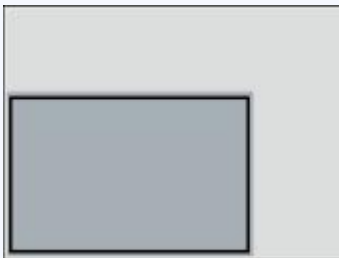
Touching operation screen .

Automatically identifying film layer of coated - film glass and Low - E glass .

The adoption of pneumatic or hydraulic control panel pressure section bonding glass , four synchronous gear rack control , ensure that glass together piece without dislocation , improve the bonding accuracy .

Able to produce 3- layer insulated glass .

Automatic Insulating Glass Production Line



Triple to sides stepped units



press for Max.size of units



Irregular-shaped glass



Triple insulating glass

Technical Parameter:

电功率 Electric power	加工玻璃最大尺寸 Max Glass Dimension	加工玻璃最小尺寸 Min Glass Dimension	中空玻璃最大厚度 Max Insulating Glass Thickness	玻璃清洗速度 Glass Rinsing Speed	清洗玻璃厚度 Glass Rinsing Thickness	传送玻璃速度 Transfer Speed
38KW 3P 380V/1P+N 220 50HZ	2500×3000mm 2200×3000mm	450×280mm	10-48mm	0-8m/min	3-15mm	45m/min

毛刷 Brush	压缩空气 Compressed Air	水 Water
3对(pair)	流量(Flow) 0.8m³/min 气压(Air Pressure) 1Mpa	水电导率(Water Conductivity) ≤50us/cm 用水量(Water Quantity) 0.5t/h

Horizontal Glass Rinsing & Drying Machine



Functions and Features:

Horizontal glass cleaner is a necessary one-time cleaning and drying equipment for tempered glass, hollow glass, sliding door, lens and other glass before deep processing. Its speed is adjustable. It uses absorbent sponge roller to absorb most of the water, and dries the glass by heating and air drying. After cleaning, the glass is clean and there is no water tail. The equipment has the advantages of simple operation, smooth operation, adjustable speed, low noise, good quality and small floor area. It is an ideal equipment for glass processing.

Note: (Different types of glass cleaners can be customized according to user requirements, such as solid core cots, additional brushes, fans, water tanks and other equipment configuration).

Horizontal Glass Rinsing & Drying Machine



Flower Roller



Solid Roller

Technical Parameter:

输入电压 Power voltage	功 率 Power rater	加工玻璃最大尺寸 Max Glass Dimension	加工玻璃最小尺寸 Min Glass Dimension	清洗速度 Rinsing Speed	清洗玻璃最大厚度 Max Glass Thickness	传送速度 Transfer Speed	外形尺寸 Overall Dimension
380V 50HZ	8.43kW	1600 × 2000mm	400 × 400mm	1.2-5m/min	12mm	/	2640 × 2100 × 1200

Horizontal Glass Hot roller press machine

Functions and Features:

Horizontal structure is adopted to ensure smooth transmission. The machine adopts speed regulating motor, and the operation button is concentrated on the control panel, which is convenient to operate. It covers a small area, has few operators, high production efficiency, stable quality, simple operation and cost saving. It can produce composite tape type hollow glass and aluminium groove type hollow glass.



Technical Parameter:

输入电压 Power voltage	功 率 Power rater	加工玻璃最大尺寸 Max Glass Dimension	加工玻璃最小尺寸 Min Glass Dimension	清洗速度 Rinsing Speed	清洗玻璃最大厚度 Max Glass Thickness	传送速度 Transfer Speed	外形尺寸 Overall Dimension
380V 50HZ	18.37kW	1500 × 2000mm	400 × 400mm	/	/	0-5.0m/min	2250 × 1850 × 1350

Butyl Extruder Machine

Functions and Features:

The machine is a special equipment for uniformly applying hot melt butyl rubber on both sides of the aluminium spacer. Operators need to support the spacer.

Other actions (pressing wheel,gluing and stopping gluing) are automatically completed by setting program.It is easy to operate and runs smoothly and reliably.Stainless steel wire drawing panel is adopted,the table surface is clean and beautiful.Timely start-up 24 hours to improve work efficiency and save preheating time.



Technical Parameter:

输入电压 Power voltage	功率 Power rater	胶嘴距离 Nozzle Distance	挤胶压力 Squeezing Pressure	气压 Air Pressure	加热温度 Heating Temperature	传送速度 Transfer Speed	外形尺寸 Overall Dimension
380V 50HZ	3.2KW	6—20mm	15—18Mpa	0.4—0.7Mpa	110—160℃	15m/min	3000 × 900 × 1200

Two Component Coating Machine

Functions and Features:



This machine is the production of hollow glass and curtain wall, special glue equipment, realize the two sealing in A, B component mixed with glue once completed, particularly suited to the requirements of proportioning precision demanding glue. Applicable to the doors and windows and curtain wall glass deep processing enterprises efficient, high quality, high rate of qualified pipelining production demand. Frame welding as a whole, increase Longmen frame, welding triangles to form the stable structure, overcome the cantilever beam when shaking; B pump adopts double column, pressure plate double sealing, completely solve the black component glue oxidized easily leak problem; optimum pipeline design, solves the products of the same kind of slow flow problem.

Technical Parameter:

混合比 Mix Ratio	基料桶 Curing Bucket	固化剂桶 Curative Agent Bucket	最大耗气量 Max Air Consumption	胶气压力比 Rubber Air Pressure Rate	挤胶最大工作压力 Max Squeezing Pressure	气压 Air Pressure	外形尺寸 Overall Dimension
6:1—14:1	55加仑(gallon)(200L)	5加仑(gallon)(20L)	0.8 m ³ /min	50:1	29Mpa	0.5—0.8Mpa	1100 × 950 × 1630

Two Component Coating Machine

Functions and Features:

The machine can rotate continuously at 360 or 90 according to the need. It can also rotate forward or backward. The rotating and vacuum suckers are programmed, and the vacuum suckers can be selected.

According to the size of the glass. The rotating supporting discs with special structure can better keep the glass in a plane. It is an ideal auxiliary equipment for making hollow glass because of its smooth rotation, less failure rate and stable support.



Semi-automatic Spacer Bending Machine

Functions and Features:

The high - end hollow special equipment with flexible frame design solves the problem of sealing the corners of angle inserted hollow glass . The machine is controlled by PLC and automatically completes positioning , bending , and sawing . Stable and reliable performance , easy to operate .

This machine is used for rectangular bending of hollow glass aluminum spacer strips .

PLC control system , reliable positioning , smooth operation , and wide range of aluminum frame processing .

The bending mechanism integrates upper and lower pressing and swinging arms , and the aluminum strip is bent together with the mechanism , eliminating hard friction during the bending process . The bending effect is good and can bend thin aluminum strips .



Technical Parameter:

混合比 Mix Ratio	基料桶 Curing Bucket	固化剂桶 Curative Agent Bucket	最大耗气量 Max Air Consumption	胶气压力比 Rubber Air Pressure Rate	挤胶最大工作压力 Max Squeezing Pressure	气压 Air Pressure	外形尺寸 Overall Dimension
6:1—14:1	55加仑(gallon)(200L)	5加仑(gallon)(20L)	0.8 m ³ /min	50:1	29Mpa	0.5—0.8Mpa	1100 × 950 × 1630

Automatic Desiccant Filling Machine

Functions and Features:

The machine designed for bending aluminum frame molecular sieve filling design .

Filling height can be adjusted according to the size of aluminum frame .

Filling time , sealing time can be set to ensure that the molecular sieve filling volume and sealing effect .

Automatic feeding , automatic punching , automatic filling , automatic sealing filling hole .

All time setting and manual operation on a text display .

With the aluminum frame on the body , the replacement of aluminum specifications , on need to adjust , save time , accurate positioning .

Advanced automatic feeding system , to solve the desiccant water vapor failure , improve efficiency and hollow glass life .

Aluminum strip on the back of the hole , do not affect the butyl rubber , filling efficiency .



Technical Parameter:

输入电压 Power voltage	功率 Power rater	工作压力 WoRk pressure	玻璃最大尺寸 Max Glass Dimension	玻璃最小尺寸 Min Glass Dimension	分子筛直径 Sieve	罐装速度 Filling speed	外形尺寸 whole machine size
380V 50HZ	12kW	0.6Mpa	2500×1800mm	500×350mm	0.5-1.0mm	6-10S/pc	950×930×3150mm